

How to use this manual

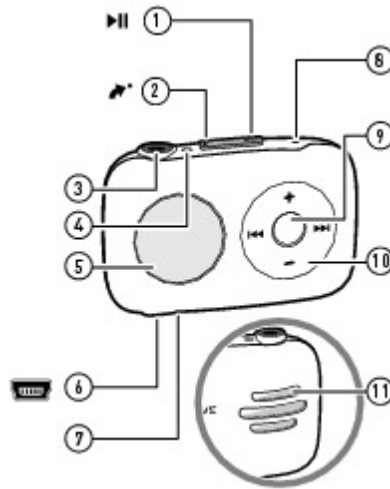
This document has been designed to provide you with complete product knowledge. You can resize the document window, print this document, access linked web sites and get information from specially prepared graphics.

- To jump to a linked topic or a web site, click the underlined blue text, or the hand symbol  whenever it appears.
- To show a short description (tooltip) of an object, move your mouse cursor over it. A tooltip appears after a few seconds.

You can choose to print portions of this document:

1. On the Contents tabbed page to your left, click a topic heading.
2. On the menu, click the Print button.
3. In the dialog box that appears, click the option to print one topic only, or all topics under a heading.

A Tour of Your Player



Button/Connector		What It Does
1.	Power/Play/Pause	Turns player on or off. Press and hold until display screen lights up or turns off. Plays or pauses music during playback.
2.	My Shortcut	Press to access a feature quickly. Press and hold to change shortcut. Factory default: Turns on/off the speaker.
3.	Headphone jack	Connect your player's earphones to this jack.
4.	LED	Indicates power or charging status when the display turns off to save power.
5.	Display	Turns off automatically when not in use. Press any button to turn on the display again.
6.	USB port	To charge your player or transfer files, connect one end of the supplied USB cable to this port, and the other end to your computer's USB port. To charge your player without using the computer, purchase the ZENTM USB power adapter. For more information about this and other accessories, visit www.creative.com/zenstoneplus .

7.	Reset Hole	To reset player, insert a straightened paperclip.
8.	Microphone	Use for voice recordings.
9.	Menu/Select	See Navigating the Menu . *Also turns player on or off. Press and hold until display screen lights up or turns off. *Not applicable for 1 GB and 2 GB player models without speaker.
10.	Direction/Function pad	Use for scrolling up, down, left and right. Has additional functions in selected menus.
11.	Speaker (For selected player models only)	see Turning On/Off the Speaker . .

Navigating the Menu

Your player's menu is organized as such:

Menu Level	Description
Main Menu	Press the Menu/Select button to display the main menu. To exit the main menu, navigate to and select Cancel.
Option Menu	Press and hold the Menu/Select button to display the option menu. The option menu can also be accessed from the main menu. To exit the option menu, navigate to and select Cancel.
Options	Displays the options for selection.

Making a selection

To view the options in a menu, use the Direction/Function pad to scroll horizontally or vertically:

Screen	Description
	If you see < or > on the screen, more options are available to the left or right. Press ◀◀ or ▶▶ to scroll.
	If the options on the screen are arranged as a list, there may be more options above or below. Press + or - to scroll.

To make a selection, press the Menu/Select button.



Power source and level indicator

Your player displays one of the following icons, depending on the power source or level.

Icon	Power status
	Full battery level.
	Good battery level.
	Low battery level. Charge as soon as possible.
	Extremely low battery level. Player may turn off automatically anytime. Charge immediately.
	Charging is in progress.
	Charging is complete.

Creative Media Lite

Creative Media Lite is specially designed to rip CDs and transfer files to your player.

Your player is recognized as a removable disk on your computer and you can also use other software to transfer content. However, Creative Media Lite supports the transfer of Windows Media® Digital Rights Management (WMDRM) 9 or copy-protected music. Other software may not.

To launch Creative Media Lite, click the Creative Media Lite  icon on your desktop. Alternatively, click Start → Creative → Creative Media Lite.

Note

- Before installing Creative Media Lite, make sure you log on to your computer in Administrator mode. For details about Administrator mode, see your operating system's documentation.
- For details about using Creative Media Lite, click the Access How-To Online button  in the application.

Getting Content

Your player plays back audio tracks in MP3, WMA or AAC format. The AAC (unprotected .m4a) format is supported on selected player models only. You can acquire audio tracks from online music stores, or by ripping personal audio CDs.

Ripping CDs

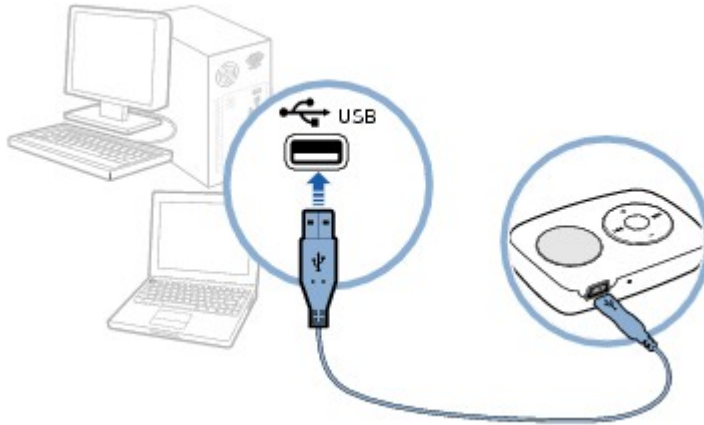
1. Launch [Creative Media Lite](#).
2. Click the Rip Audio CD button  .
3. Follow the instructions on the screen, and select the My Computer and/or Music Device checkbox to indicate where your tracks will be ripped to. You can also select to retrieve album information (subject to availability) from the Internet.

Note

- It is important to [disconnect your player properly](#).
- Creative Media Lite uses MusicIDSM from Gracenote® to get artist and title information about the CDs you play. You must be connected to the Internet when using this service.

Transferring Music

1. Connect your player to your computer as shown.



- 1.
2. Launch [Creative Media Lite](#) and click the My Computer drop-down box.
3. Locate and select the music files you want.
4. Click the Transfer to Player button .
4. Alternatively, use the drag-and-drop method to transfer the files to your player.

Note

- It is important to [disconnect your player properly](#).

Transferring Data

You can use your player as a removable disk to transfer data.

In Creative Media Lite, click the Views button  and select View All Files.

Note

- It is important to [disconnect your player properly](#).

Disconnecting Your Player Safely

When you see this icon  on the player's display, DO NOT disconnect your player. Songs are being ripped or transferred.

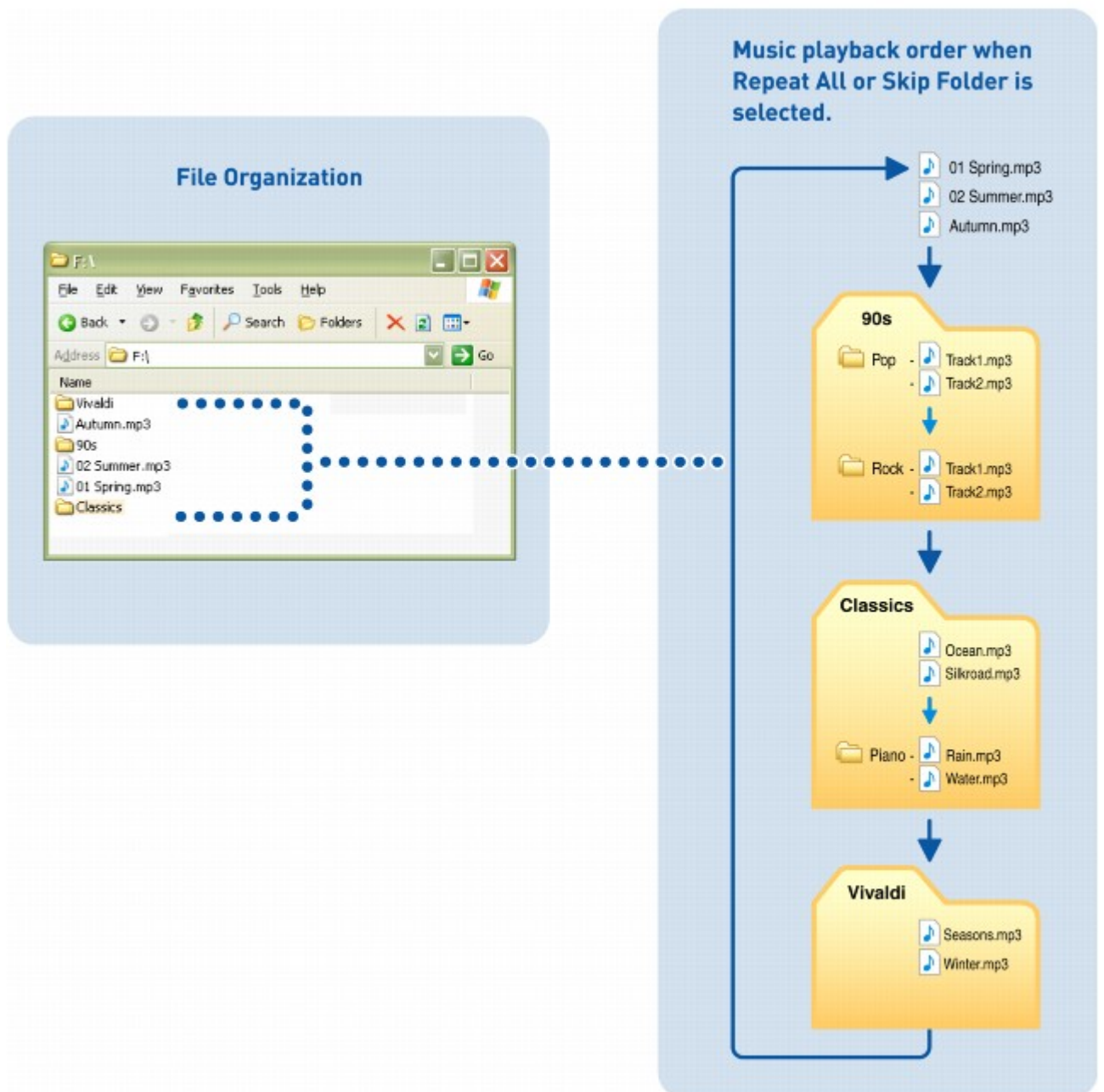
When you see this icon  on the display, you can disconnect your player safely in the following ways:

- In [Creative Media Lite](#), click the Disconnect Player button .
- From the Taskbar, click the Safely Remove Hardware icon and then select Safely remove USB Mass Storage Device.

Playback Order

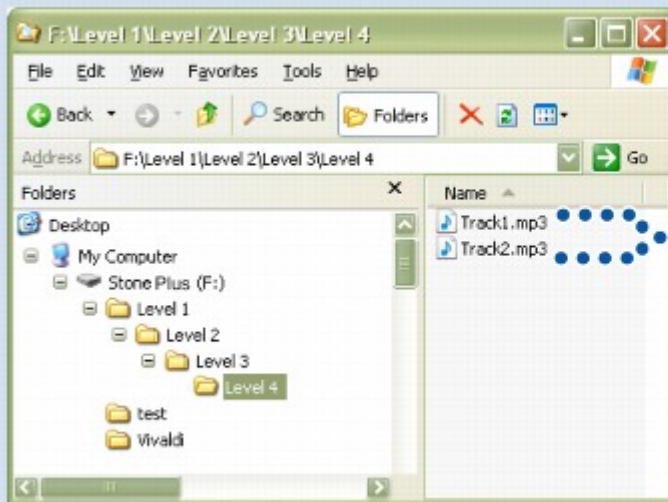
You can customize your music playback experience by naming and organizing your music according to the following guidelines:

- Your player plays back music in alphanumeric order.
- For example, Autumn.mp3, 02 Summer.mp3 and 01 Spring.mp3 will be played back in the following order:
- 01 Spring.mp3, 02 Summer.mp3, Autumn.mp3.
- If there are tracks and folders in the same location, tracks will be played back first.
- Your player supports up to three levels of folders from the root. For details, see [Folder Structure](#)



Folder Structure

Your player supports up to three levels of folders from the root. Any tracks placed outside this structure, for example in a fourth level folder from the root, will not be played back.



These tracks in a fourth level folder will not be played back. Move them into a first, second or third level folder.

Deleting Files and Folders

1. Launch [Creative Media Lite](#).
2. Select the file or folder you want.
3. Click the Delete button  in the same window as the selected file or folder.

Using Your Player

To navigate your player's controls, see [A Tour of Your Player](#)

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To organize music and customize playback order, see [Playback Order](#)

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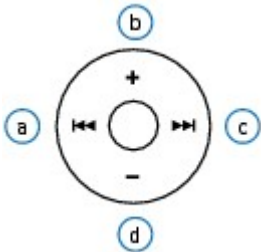
Playing Audio Tracks

- 1. Press the Menu/Select button to display the main menu.
- 2. Scroll to Music and press the Menu/Select button.
- 3. Press  to play or pause audio tracks.

Note

- You can also press the Menu/Select button twice to play or pause audio tracks.

Using the Direction/Function pad during audio playback



Item	Function
a	Press to move to the previous track. Press and hold to move backward within a track. (Press to stop the track when playback is paused)
b	Press to increase volume.
c	Press to move to the next track. Press and hold to move forward within a track. (Press to stop the track when playback is paused)
d	Press to decrease volume.

Browsing Music Folders

When playing audio tracks, you can browse your music folders and select a folder to start the playback from.

1. Press and hold the Menu/Select button to display the option menu.
2. Scroll to Browse Music and press the Menu/Select button.
3. Scroll to the folder you want. If audio playback does not start, press .
3. Audio playback starts from the first track in the folder.

Note

- Audio tracks that are not stored in any folders can be found in the Root folder.
- You can only browse by folders.

Shuffling and Repeating Tracks

When playing audio tracks, you can select the following play modes:

Play Mode	Icon	Playback Behavior
Repeat Track		Repeats the current track.
Repeat All		Repeats all tracks in sequential order.
Repeat Folder		Repeats all tracks in the current folder.
Track Once		Stops after playing the current track.
Shuffle Repeat		Repeats all tracks in random order.
Shuffle Once		Plays all tracks once in random order.
Shuffle Folder		Plays all tracks in the current folder once, in random order.
Normal		Plays all tracks once in sequential order.

To select a play mode

1. Press and hold the Menu/Select button to display the option menu.
2. Scroll to Play Mode and press the Menu/Select button.
3. Scroll to the play mode you want and press the Menu/Select button.

Enhancing Audio with EQ

When playing audio tracks, you can enhance your audio by selecting the following preset or custom equalizer settings:

- Rock
- Jazz
- Classical
- Pop
- Custom EQ

To select an equalizer setting

1. Press and hold the Menu/Select button to display the option menu.
2. Scroll to EQ and press the Menu/Select button.
3. Scroll to the setting you want and press the Menu/Select button.
4. If Custom EQ is selected:
 - i. Press  or  to highlight an equalizer bar.
 - ii. Press  or  to adjust the equalizer level.
 - iii. When you are done, press  or  to navigate to the Done icon  and press the Menu/Select button.

Enhancing Audio with Bass Boost

1. Press and hold the Menu/Select button to display the option menu.
2. Select Bass Boost → On.

Deleting Tracks

1. Press  or  to go to the track you want to delete.
2. Press and hold the Menu/Select button to display the option menu.
3. Select Delete → Yes.

Note

- You can also [delete tracks from Creative Media Lite](#).

Playing Audible Tracks

Audible tracks have predefined track sections that you can skip to.

You can play an Audible track the way you play a music track. See [Playing Audio Tracks](#)

Skipping to another section

1. When playing an Audible file, press and hold the Menu/Select button to display the option menu.
2. Scroll to Skip Section and press the Menu/Select button.
2. The current section is highlighted.
3. Scroll to the section you want to skip to and press .

Using FM Radio

The FM frequency range on your player is set to "International" by default. Most regions in the world receive FM broadcasts in this range.

If you are using your player in Japan, make sure you have selected "Japanese" as your player's [menu language](#) before selecting "Japan" as your [FM region](#).

In FM Radio mode, there are two submodes: [Tuning and Preset](#)

. Select Tuning to scan for and save channel presets. Select Preset to select and play a channel preset.

Selecting FM Radio Submode

- 1. Press the Menu/Select button to display the main menu.
- 2. Scroll to FM Radio and press the Menu/Select button.
- 3. Press  to switch between the two submodes:

Submode	Function	Example Screen
Tuning	For tuning channels. See Setting Channel Presets .	
Preset	For selecting channel presets. See Listening to FM Radio .	

Setting Channel Presets

You can set channel presets manually or automatically.

Manual tuning allows for fine-tuning but may be slower.

Automatic tuning is quicker but usually omits channels with weaker frequencies.

Connect the earphones to your player before setting channel presets. The earphones work as antennas to receive FM Radio signals.

To set your channel presets manually

1. In FM Radio mode, [select the Tuning submode](#).
2. To tune to a lower or higher channel, press  or .
3. When you have found the channel you want, press and hold the Menu/Select button to display the option menu.
4. Scroll to Save Preset and press the Menu/Select button.
5. Scroll to a preset slot and press the Menu/Select button to save.

To set your channel presets automatically

1. In FM Radio mode, [select the Tuning submode](#).
2. Press and hold the Menu/Select button to display the option menu.
3. Select Autoscan → Yes.
3. When autoscan completes, Preset 1 is selected.

Note

- Performing an autoscan overrides all current channel presets. New channel presets are arranged in order of frequency.
- Your player can store up to 32 channel presets.

Listening to FM Radio

1. In FM Radio mode, [select the Preset submode](#).
2. Press  or  to go to the previous or next channel preset.
2. Press and hold  or  to scroll more quickly.

Note

- (For players with built-in speaker only)
- To listen to FM Radio through the speaker, connect your earphones to your player and [turn on the speaker](#) using your player's menu. The earphones work as antennas to receive FM Radio signals

Deleting Channel Presets

1. In FM Radio mode, [select the Preset submode](#).
2. Press  or  to go to the channel preset you want to delete.
3. Press and hold the Menu/Select button to display the option menu.
4. Select Delete Preset → Yes.

Making a Recording

1. Press the Menu/Select button to display the main menu.
2. Scroll to Microphone and press the Menu/Select button.
3. Press  to start recording.
3. To end the recording, press  again.
3. The recording is saved as a WAV file with an automatically generated file name.

Note

- If you want to delete a recording immediately,
 - i. Press and hold the Menu/Select button to display the option menu.
 - ii. Select Delete → Yes.
- When your player is connected to the computer, you can find your recordings in a folder called "Recordings".

Listening to Recordings

1. Press the Menu/Select button to display the main menu.
2. Scroll to Recordings and press the Menu/Select button.
3. Press  or  to go to the recording you want to listen to and press .

Note

- You can select most [play mode](#) options while listening to recordings.
- You can also press the Menu/Select button twice to play or pause recordings.

Deleting Recordings

1. Press the Menu/Select button to display the main menu.
2. Scroll to Recordings and press the Menu/Select button.
3. Press  or  to go to the recording you want to delete.
4. Press and hold the Menu/Select button to display the option menu.
5. Select Delete → Yes.

Adjusting Volume

When listening to tracks, FM radio or recordings, adjust volume level by pressing **+** or **-**

Turning On/Off the Speaker

(For selected player models only)

1. Press the Menu/Select button to select Settings →Speaker.
2. Press **+** or **-** to scroll to On or Off, and press the Menu/Select button to turn on/off the speaker.

For players with [firmware version](#)

1.02.01 or later, the speaker turns on when you disconnect the earphones. When you reconnect the earphones, the speaker turns off and the audio output returns to the earphones.

You can download the latest firmware from www.creative.com/support

Note

- By default, you can press the My Shortcut  button to turn on/off the speaker. See also [Configuring the My Shortcut Button](#).

Using the Stopwatch

1. Press the Menu/Select button to display the main menu.
2. Scroll to Stopwatch and press the Menu/Select button.
3. To start the timer, press .
3. To stop the timer, press  again.
3. To resume the timer, press  again.
4. To reset the timer after it has stopped, press .

Note

- All stopwatch functions can also be accessed by pressing and holding the Menu/Select button.

Setting Display Orientation

Rotating the display makes it easier for left-handed users to handle the player.

To rotate your player's display

1. Press the Menu/Select button to display the main menu.
2. Select Settings → Orientation.
3. Scroll to the orientation you want and press the Menu/Select button.

Setting Display Contrast

1. Press the Menu/Select button to display the main menu.
2. Select Settings → Contrast.
3. Scroll to the contrast level you want and press the Menu/Select button.

Setting Display Timer

You can set the duration that the display stays on before the screensaver settings apply.

1. Press the Menu/Select button to display the main menu.
2. Select Settings → Display Timer.
3. Scroll to the duration you want and press the Menu/Select button.

Setting Menu Language

1. Press the Menu/Select button to display the main menu.
2. Select Settings →Language.
3. Scroll to the language you want and press the Menu/Select button.

Setting Region for FM Radio

(This section is only applicable when your player's [menu language](#) is set to "Japanese".)

1. Press the Menu/Select button to display the main menu.
2. Select **設定→FM地域**.
3. To set the FM region to "Japan", scroll to **日本**
3. To set the FM region to "International", scroll to **その他**.
4. Press the Menu/Select button.

Configuring the My Shortcut Button

1. Press the Menu/Select button to display the main menu.
2. Select Settings → My Shortcut.
3. Scroll to the feature you want and press the Menu/Select button.

Setting Date and Time

1. Press the Menu/Select button to display the main menu.
2. Select Settings → Date & Time.
3. Press  or  to navigate to a time or date field.
4. Press  or  to change the value of the field.
5. To confirm the changes, navigate to the Year field and press the Menu/Select button.

Setting Screensaver Duration

Before the player display turns off, the screensaver appears with the date and time. You can set how long the screensaver appears for.

1. Press the Menu/Select button to display the main menu.
2. Select Settings →Screensaver.
3. Scroll to the duration you want and press the Menu/Select button.

Setting Idle Shutdown Duration

You can set the duration of inactivity before the player turns off to save power.

1. Press the Menu/Select button to display the main menu.
2. Select Settings → Idle Shutdown.
3. Scroll to the duration you want and press the Menu/Select button.

Setting the Cue/Review Option

You can listen to extracts of tracks while rewinding or fast forwarding. This helps you to locate the section or song you want more quickly.

1. Press the Menu/Select button to display the main menu.
2. Select Settings → Cue/Review.
3. Scroll to the option you want and press the Menu/Select button.

Viewing Player Information

You can view information, such as firmware version, about your player.

1. Press the Menu/Select button to display the main menu.
2. Select Settings → Information.
3. Press **+** or **-** to scroll and view various types of information.

Locking and Unlocking Your Player

You can lock your player to prevent any buttons from being pressed accidentally.

To lock your player

1. Press the Menu/Select button to display the main menu.
2. Scroll to Lock and press the Menu/Select button.

To unlock your player

1. If your player's display is turned off, press any button to view the current status. Press the button again to view the unlock options.
1. If your player's display is turned on, press any button once to view the unlock options.
2. Scroll to Yes and press the Menu/Select button.

Volume Restriction

Protect your hearing using the Volume Restriction feature on your player. You can set your player's maximum volume to a comfortable level.

This feature is especially useful for parents who want to protect their children's hearing. You can also select to set a password to lock the volume restriction level setting.

To adjust the volume restriction level, launch [Creative Media Lite](#) and click the Set Volume Restriction

Limit button  . For details, click the Access How-To Online button  in the application.

Troubleshooting

My player is not responding, what do I do?

If your player stops responding, reset the player. This should not cause you to lose any data or audio tracks, unless you were in the middle of transferring files.

1. Insert and remove a straightened paperclip from the Reset Hole.
2. If this does not work, proceed to Formatting Your Player.

Formatting Your Player

WARNING: This step deletes all your player's content. If possible, back up all your player's content on your computer before proceeding.

1. Make sure your player is connected to your computer and you are logged on in Administrator mode. For details about Administrator mode, see your operating system's documentation.
2. In Windows Explorer, right-click your player and select Format.
3. If this does not work, proceed to Reloading Your Player's Firmware in Recovery Mode.

Reloading Your Player's Firmware in Recovery Mode

(Not applicable for 1 GB and 2 GB player models without speaker)

1. Download the latest [firmware](#) before proceeding.
2. Disconnect your player from the computer, and then turn off your player.
3. Press and hold the Volume Down  button. Continue to hold the button until you have performed Steps 4 to 6.
3. If you accidentally release the button, start the procedure again.
4. Press and hold the Power/Play/Pause  button.
5. Connect your player to your computer's USB port.
6. After 5 seconds, release both buttons.
6. Your player will be recognized as a USB Mass Storage Device.
7. Double-click the firmware file you downloaded earlier, and follow the instructions on the screen.

Why does formatting my player in Windows Vista take a long time?

Windows Vista formats devices differently from earlier versions of Windows. As such, your player may take a significantly longer time to perform a full format. Rest assured that once formatted, your player will perform as expected. To format your player in considerably less time, use the Quick Format option instead.

Information Diagrams

The following screens may appear on your player's display.

Screen	Description
	The file system is corrupted. The player may have been formatted to an unsupported file system such as NTFS. Reformat your player.
	The firmware is corrupted. Reset your player , download the firmware from www.creative.com/support or contact Customer Support Services.
	An unexpected power loss occurred when settings were being saved. Reset your player , download the firmware from www.creative.com/support or contact Customer Support Services.
	There is no free disk space for recording. Try deleting some tracks to free up some space.
	The player is loading or saving a track, or updating track information.

Regulatory Information

The following sections contain notices for various countries:

CAUTION: This product is intended for use with FCC/CE certified computer equipment. Please check the equipment operating/installation manual and/or with the equipment manufacturer to verify/confirm if your equipment is suitable prior to the installation or use of the product.

Federal Communication Commission (FCC) Interference Statement

FCC Part 15: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

CAUTION: To comply with the limits of the Class B digital device, pursuant to Part 15 of the FCC Rules, this device must be installed with computer equipment certified to comply with Class B limits. All cables used to connect to the computer and peripherals must be shielded and grounded. Operation with non-certified computers or non-shielded cables may results in interference to radio or television reception.

MODIFICATION: Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the device.

California Proposition 65 Statement

WARNING: Handling this product may expose you to chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Wash hands after handling.

Explanatory Note: California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) requires special product labeling for products containing certain chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. Creative has chosen to provide a warning based on its knowledge about the presence of one or more listed chemicals without attempting to evaluate the level of exposure. With Creative's products, the exposure may be below the Proposition 65 level of concern, or could even be zero. However, out of an abundance of caution, Creative has elected to place the Proposition 65 warning on its products.

Déclaration de la Proposition 65 de la Californie

AVERTISSEMENT: La manipulation de ce produit peut vous exposer à des produits chimiques qui sont reconnus par l'État de la Californie comme pouvant provoquer le cancer, des anomalies congénitales ou d'autres effets nuisibles à la reproduction.

Veillez vous laver les mains après l'avoir manipuler.

Note explicative: La Proposition 65 (California Safe Drinking Water and Toxic Enforcement Act of 1986) de la Californie sur les matières dangereuses et l'eau potable exige un étiquetage spécial pour les produits contenant certains produits chimiques qui sont reconnus par l'État de la Californie comme pouvant provoquer le cancer, des anomalies congénitales ou d'autres effets nuisibles à la reproduction.

Creative a choisi d'inclure une mise en garde s'appuyant sur sa connaissance de la présence d'un ou de plusieurs de ces produits chimiques sans essayer d'en évaluer le niveau d'exposition. Pour les produits de Creative, le niveau d'exposition peut être inférieur au niveau critique établi par la Proposition 65 ou même être nul. Néanmoins, par souci extrême de prudence, Creative a choisi de placer l'avertissement de la Proposition 65 sur ses produits.

Declaration of Conformity

According to the FCC96 208 and ET95-19,

Manufacturer/Importer's Name:

Creative Labs, Inc.

Manufacturer/Importer's Address:

1901 McCarthy Boulevard

Milpitas, CA. 95035

United States

Tel: (408) 428-6600

declares under its sole responsibility that the product

Trade Name:

Creative Labs

Model Numbers:

DAP-FL0044

DAP-FL0046

DAP-FL0054

has been tested according to the FCC / CISPR22/97 requirement for Class B devices and found compliant with the following standards:

EMI/EMC:

ANSI C63.4 2003, FCC Part 15 Subpart B

Complies with Canadian ICES-003 Class B

This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- This device may not cause harmful interference, and
- This device must accept any interference received, including interference that may cause undesirable operation.

Ce matériel est conforme à la section 15 des règles FCC.

Son Fonctionnement est soumis aux deux conditions suivantes:

- Le matériel ne peut être source D'interférences et
- Doit accepter toutes les interférences reçues, Y compris celles pouvant provoquer un fonctionnement indésirable.

Compliance Manager

Creative Labs, Inc.

December 28, 2007

Notice for Canada

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

CANADIAN CLASS B STATEMENT: This digital device does not exceed the Class B limits for radio noise emissions from digital apparatus as set out in the interference-causing equipment standard entitled "Digital Apparatus," ICES-003 of the Department of Communications.

Cet appareil numérique respecte les limites de bruits radioélectriques applicables aux appareils numériques de Classe B prescrites dans la norme sur le matériel brouilleur: "Appareils Numériques," NMB-003 édictée par le ministre des Communications.

MODIFICATION: Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the device.

Toute modification non approuvée explicitement par le fournisseur de licence de l'appareil peut entraîner l'annulation du droit de l'utilisateur à utiliser l'appareil.

European Compliance

This product conforms to the following:

EMC Directive 2004/108/EC.

Mains operated products for the European market comply with Low Voltage Directive 2006/95/EC.

Communication / RF wireless products for the European market comply with R&TTE Directive 1999/5/EC.

CAUTION: To comply with the Europe CE requirement, this device must be installed with CE certified computer equipment which meet with Class B limits.

All cables used to connect this device must be shielded, grounded and no longer than 3m in length.

Operation with non-certified computers or incorrect cables may result in interference to other devices or undesired effects to the product.

MODIFICATION: Any changes or modifications not expressly approved by Creative Technology Limited or one of its affiliated companies could void the user's warranty and guarantee rights.

Notice for Japan

Recycling Rechargeable Battery



Li-ion

Lithium rechargeable battery is a resource that can be recycled.

- For recycling of embedded lithium rechargeable batteries inside Creative products, please do not attempt to remove the battery from the device. For recycling information and instruction, please go to Creative Media K K customer support at <http://jp.creative.com/support/contact/> (in Japanese)
- For recycling of replaceable (removable) lithium rechargeable batteries:



注意事項

- It is recommended to remove the rechargeable batteries when they are fully discharged.
- Precaution needs to be taken on metal parts of the battery by covering them with isolation materials such as scotch tape.
- Refer to the homepage of JBRC for information on recycling and recovery of rechargeable batteries and supporting shops.
- (URL: <http://www.jbrc.com/>)

Safety Information

Refer to the following information to use your product safely, and to reduce the chance of electric shock, short-circuiting, damage, fire, hearing impairment or other hazards.

Improper handling may void the warranty for your product. For more information, read the warranty available with your product.

- Do not dismantle or attempt to repair your product.
- Refer all servicing to authorized repair agents.
- Do not expose your product to temperatures outside the range of 0°C to 45°C (32°F to 113°F).
- Do not pierce, crush or set fire to your product.
- Keep your product away from strong magnetic objects.
- Do not subject your product to excessive force or impact.
- Do not expose your product to water or moisture.
- If your product is moisture-resistant, take care not to immerse your product in water or expose it to rain.

Earphones

- When a conductive apparatus such as earphones, is used in close proximity with a CRT television or CRT monitor, the latter may emit an electrostatic discharge. This electrostatic discharge can be felt as a static shock. While this static shock is usually harmless, it is good practice to avoid close contact with CRT devices when using earphones.
- Do not listen to audio on your earbuds or headphones at high volume for prolonged periods of time as hearing loss may result. For users in the United States, go to www.hei.org for more information.
- Do not listen to your audio device at high volume when driving, cycling or crossing the road, especially in heavy traffic, or in any other traffic condition where such use will hinder safe travel on the roads. We recommend that consumers be extremely cautious when using this device on the road.

Embedded Battery

- Do not attempt to remove the embedded battery.
- The product must be disposed of according to local environmental regulations. To replace the battery, return your product to your regional support office. For product service information, go to www.creative.com.

Removable Battery

- The battery must be recycled or disposed of properly. Contact local agencies for recycling and disposal information.
- Do not allow metal objects to touch the terminals of your battery.
- If there is leakage, an offensive odor, discoloration or deformation during charging or use, remove the battery and do not use it again. Clean your hands well before touching food or sensitive areas, for example, your eyes.

Bluetooth Product

- Do not turn on or use your product in an airplane.

General Specifications

Size (WxHxD)

- 55.6 mm (2 2/10") x 35.3 mm (1 2/5") x 12.8 mm (1/2")
- 55.6 mm (2 2/10") x 35.7 mm (1 3/8") x 17.5 mm (3/4") for player models with built-in speaker

Screen

- 64 x 64 pixel display

Weight (approximate)

- 21.0 g (3/4 ounce)
- 27.0 g (1 ounce) for player models with built-in speaker

Power Source

- Battery: 1 x Rechargeable Lithium Ion battery
- USB bus powered when connected to a power outlet or powered USB port on a computer

Audio Playback Formats

- Audible Format 2 and 3
- MP3 (Up to 320 kbps)
- WMA (Up to 320 kbps)
- WMA with Windows Media Digital Rights Management (WMDRM) 9
- AAC (unprotected .m4a) for selected player models only

Recording Formats

- Voice (via built-in microphone): IMA-ADPCM (8kHz, 4-bit Mono)

MP3 Playback Performance

- Signal-to-Noise Ratio: Up to 90 dB
- Channel Separation: Up to 60 dB
- Frequency Response: 20 Hz ~ 20 kHz
- Harmonic Distortion Output: <0.1%

Connectors

- Headphone jack: 3.5 mm (1/8") stereo minijack, 5 ~ 7 mW per channel
- USB port: Standard USB mini-B receptacle

Firmware Support

- Upgradable via USB (firmware upgrades are available from www.creative.com/support).

Earphone Specifications

- Frequency Range: 20 Hz ~ 20 KHz
- Sensitivity: 109 dB $\pm$ 3 dB SPL at 1 KHz
- Impedance: 32 Ω $\pm$ 15%
- Plug: 3.5 mm (1/8") stereo minijack

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